



SEQUENCE LISTING

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<120> Human RNase HI Mutants

<130> ISPH-0614

<140> 09/992,738

<141> 2001-11-14

<150> US 60/248,950

<151> 2000-11-15

<160> 4

<170> PatentIn version 3.1

<210> 1

<211> 189

<212> PRT

<213> Escherichia coli

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Gly Gly Met Tyr Ala Val Arg Arg Gly Arg Lys Gly Val Trp Asn Cys
20 25 30

Arg Ala Val Asp Arg Ala Ala Arg Lys Lys Ala Asp Ala Trp Ala Val
35 40 45

Arg Lys Ser Ala Ser Val Ser Gly His Asn His Gly Ser Ala Lys Ala
50 55 60

Ser Lys Arg Arg Asp Gly Asp Gly His Ser Ala Tyr Ala Lys His Met
65 70 75 80

Lys Ser Val Ala Val Ser Arg Asp Ser Tyr Met Gly Asp Val Val Val
85 90 95

Tyr Asp Gly Cys Cys Ser Ser Asn Gly Arg Arg Arg Arg Ala Gly Gly
100 105 110

Val Tyr Trp Gly Gly His Asn Val Gly Arg Gly Arg Asn Arg Ala His
115 120 125

Ala Ala Cys Lys Ala Ala Lys Asn Asn Lys Val Tyr Asp Ser Met Asn
 130 135 140

Gly Asn Trp Val Gly Lys Lys Asn Gly Trp Lys Ser Ala Gly Lys Val
 145 150 155 160

Asn Lys Asp Val Ala Arg Gly Met Asp Trp Met His Val Gly His Ser
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Gly Gly Asn Ala Asp Arg Ala Arg Gly Ala Lys Ser Asp
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 <213> Homo sapiens

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Met Ser Trp Leu Leu Phe Leu Ala His Arg Val Ala Leu Ala Ala Leu
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Pro Cys Arg Arg Gly Ser Arg Gly Phe Gly Met Phe Tyr Ala Val Arg
 20 25 30

Arg Gly Arg Lys Thr Gly Val Phe Leu Thr Trp Asn Glu Cys Arg Ala
 35 40 45

Gln Val Asp Arg Phe Pro Ala Ala Arg Phe Lys Lys Phe Ala Thr Glu
 50 55 60

Asp Glu Ala Trp Ala Phe Val Arg Lys Ser Ala Ser Pro Glu Val Ser
 65 70 75 80

Glu Gly His Glu Asn Gln His Gly Gln Glu Ser Glu Ala Lys Ala Ser
 85 90 95

Lys Arg Leu Arg Glu Pro Leu Asp Gly Asp Gly His Glu Ser Ala Glu
 100 105 110

Pro Tyr Ala Lys His Met Lys Pro Ser Val Glu Pro Ala Pro Pro Val
 115 120 125

Ser Arg Asp Thr Phe Ser Tyr Met Gly Asp Phe Val Val Val Tyr Thr
 130 135 140

Asp Gly Cys Cys Ser Ser Asn Gly Arg Arg Arg Pro Arg Ala Gly Ile
 145 150 155 160

Gly Val Tyr Trp Gly Pro Gly His Pro Leu Asn Val Gly Ile Arg Leu
 165 170 175

Pro Gly Arg Gln Thr Asn Gln Arg Ala Glu Ile His Ala Ala Cys Lys
 180 185 190

Ala Ile Glu Gln Ala Lys Thr Gln Asn Ile Asn Lys Leu Val Leu Tyr
 195 200 205

Thr Asp Ser Met Phe Thr Ile Asn Gly Ile Thr Asn Trp Val Gln Gly
 210 215 220

Gln Lys Lys Asn Gly Trp Lys Thr Ser Ala Gly Lys Glu Val Ile Asn
 225 230 235 240

Lys Glu Asp Phe Val Ala Leu Glu Arg Leu Thr Gln Gly Met Asp Ile
 245 250 255

Gln Trp Met His Val Pro Gly His Ser Gly Phe Ile Gly Asn Glu Glu
 260 265 270

Ala Asp Arg Leu Ala Arg Glu Gly Ala Lys Gln Ser Glu Asp
 275 280 285

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 <212> DNA
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